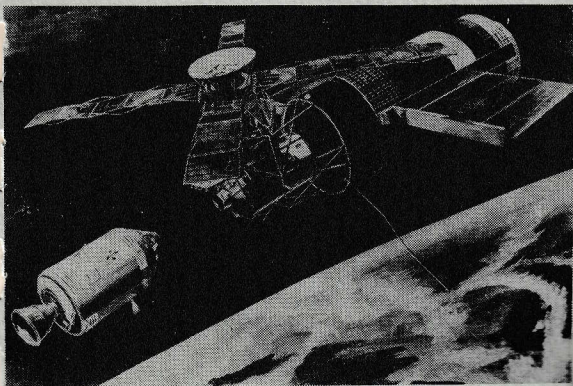


SKYLAB



MANUAL and JDC INDEX



Delco Electronics

*General Motors Corporation
- Santa Barbara Operations
Santa Barbara, California*

SKYLAB

MANUAL and JDC INDEX

JUNE 1973



Delco Electronics

*General Motors Corporation
- Santa Barbara Operations
Santa Barbara, California*

INTRODUCTION

This publication references the ground equipment and procedures provided for field support of the Skylab guidance and navigation system, as follows.

- Manuals are listed by number and title along with a brief description of contents.
- Ground support equipment items are listed alphabetically along with the manual in which related maintenance information is located.
- Job Description Cards (JDC's) are cross referenced by:
 - a. JDC Numerical Index - List of JDC's by number.
 - b. JDC Alphabetical Index - List of JDC's alphabetically, with the associated equipment being the primary word.

Also provided, on the following page, is a cross reference of CTS UPLINK tape numbers with associated JDC's, and a list of acronyms and abbreviations used within this publication.

CAUTION: This document is not intended to replace the reference maintenance manuals. Damage to equipment may result if the sequence of JDC performance specified in the manuals is not followed. Complete tests - such as ISS, OSS, and G&N checkout - are listed in the appropriate manual in the proper sequence of performance.

The following G&N System JDC's contain alternate procedures: one procedure for manual entries into the DSKY, and the other for use in conjunction with the corresponding CTS UNLINK tape.

JDC NO.	CTS UPLINK TAPE NO.
12206	2901626
12216	2901649
12218	2901648
12220	2901650
12221	2901627
12617	2901655
12619	2901657
12622	2901653
12623	2901656

Following is a partial list of acronyms and abbreviations used within this publication. Refer to ND-1021042 and ND-1021043 for a complete listing of acronyms and abbreviations used within the manuals and the JDC's.

TERM	DEFINITION
CSS	Computer Subsystem
CTS	Computer Test Set
DSKY	Display and Keyboard
ISS	Inertial Subsystem
OITS	Optics-Inertial Test Set
OSS	Optical Subsystem
OUA	Optical Unit Assembly
PGNCS	Primary Guidance, Nav, and Con. Sys
PIA	Pre-Installation Acceptance
PPA	Pre-Power Assurance
PSAAM	Pwr and Servo Assy Adapter Module
RCT	Resolver Circuit Tester

MANUAL INDEX

MANUAL NO.	TITLE	DESCRIPTION OF CONTENTS
ND-1021038	Packing, Shipping, and Handling Manual	Vol. I describes the packing, unpacking, transportation, and handling of airborne components and GSE. Supplement A provides special information covering S/C installed IMU heater power support. The packing, shipping, and handling JDC's are located in this manual.
ND-1021039	Auxiliary Ground Support Equipment Manual	Vol. I, Chapters 1 through 32, describe the theory of operation, calibration, check-out, and maintenance of a unit of A-GSE. The auxiliary GSE JDC's are located in this manual.
ND-1021040	Bench Maintenance Ground Support Equipment Manual	Vol. I, Chapter 1, describes equipment functions, the universal test sta-



MANUAL NO.	TITLE	DESCRIPTION OF CONTENTS
ND-1021040 (Continued)	Bench Maintenance Ground Support Equipment Manual	tion, G&N checkout, ISS checkout, OSS checkout, and CSS checkout. Chapters 2 through 44 (Vols. I, II, and III) provide a description, theory of operation, calibration, checkout, and maintenance of a unit of BM-GSE. Supplement A (Vols. I and II) contains a listing of the AGC/CTS operations console connection and a listing of the computer test set connections. Supplement B, Vols. I and II, covers the Block II and LEM OITS used in conjunction with associated Block II and LEM BM-GSE during Block II and LEM checkout.

MANUAL INDEX

MANUAL NO.	TITLE	DESCRIPTION OF CONTENTS
ND-1021042 (Vols. I, II and Supplement)	Primary Guidance, Navigation, and Control System Manual	LEM - Vol. I contains the system tie-in, functional analysis, description, and part of the component theory of operation. Vol. II contains the remainder of the component theory of operation, pre-launch and in-flight operations, list of checkout and maintenance equipment, checkout, and maintenance. The computer theory of operation is applicable to both the LEM and Block II configurations. The supplement contains program listings for the Block II computer subsystem FVP JDC's.
ND-1021043	Primary Guidance, Navigation and Control System Manual	Block II - Vol. I contains the system tie-in, functional analysis,

GSE INDEX

MANUAL NO.	TITLE	DESCRIPTION OF CONTENTS
ND-1021043 (Continued)	Primary Guidance, Navigation and Control System Manual	description, component theory of operation, pre-launch and in-flight operations, list of check-out and maintenance equipment, check-out, and maintenance.
-	Guidance and Navigation System Job Description Cards	Vols. I through XI contain the JDC's required to support the PGNCS and the GSE referenced in the Bench Maintenance Ground Support Equipment Manual, ND-1021040.

GSE ITEM	MANUAL	VOL. / CHAPTER
Adjustable Mirror and Pedestal Assembly 1019759	40	III 19
AGC Handling Fixture Assy 2014282	39	22
AGC Shipping and Storage Container (see Computer Subsystem Shipping and Storage Containers)		
AGC Simulator 2014048	40	II 3A
AGC/CTS Operation Console Connections 2014024	40	Supplement A II A3
Autocollimator (see Zero Degree) and 45 Degree Autocollimator Assemblies)		
Auxiliary Battery Pack 1901492	39	5
Auxiliary Calibration System Console Assembly 2014059	40	III 34
Azimuth Reference Prism 2-00036-621	40	III 37
Battery Power Pack (see Inertial Components Temperature Controller Assembly)		
Calibration System Console Assembly 2014049	40	II 4A
CDU Handling Fixture 2900999	39	25
Computer Subsystem Shipping and Storage Containers 1006421, 2016316	39	12
Computer Test Set 2014042 (also see Apollo Guidance Computer Test Set	40	II 5A
Computer Test Set Connections 2014042	40	Supplement A II A4
Coolant Fluid By-Pass Tube 1021616	39	26



GSE ITEM	MANUAL	VOL. / CHAPTER
Coolant Interconnect Hose Set 2900405	40	III 23A
Degausser 1900299	39	15
Display and Keyboard Pedestal Mount 2014014 (also see Main DSKY Pedestal Mount)	40	III 26A
DSKY Shipping and Storage Containers (see Computer Subsystem Shipping and Storage Containers)		
Electrical Adapter Cable Assy Sets 2901075, 2901074, and 2901076	40	III 41
Filling and Purging Fixture 1902371	40	III 30
G&N Coolant and Power Console (see Optics-Inertial Test Set)		
G&N Installation Qualification Fixture 1017383	39	8
G&N Mounting Fixture 2900067	40	III 33A
G&N Test Interconnection Set 2014255	40	III 7A
G&N Transportation Cart 1900009	39	28
GSE Distribution Box (see Optics-Inertial Test Set)		
IMU Lift and Handling Fixture 1015462	39	20
IMU Mounting Fixture 2900000	40	III 20A
IMU Pressure Seal Tester 1900804	40	III 31
IMU Shipping Container 1900010	39	19
IMU Snap-On Bellows 1900802	39	9
Inertial Components Temperature Controller Assembly 1900342	39	2

GSE ITEM	MANUAL	VOL. / CHAPTER
Lifting Battery Pack (see Lifting Temperature Controller)		
Lifting Temperature Controller 2900063	39	3
Operation Console 2014024 (also see AGC/CTS Operation Console)	40	III 6A
Optics and Navigation Base Mounting Fixture 2900072	40	III 32A
Optics Handling and Installation Fixture 2901380	39	27
Optics-Inertial Analyzer (see Optics-Inertial Test Set)		
Optics-Inertial Test Set 2900022	Supp. 40	B I, II
Optics-Navigation Base Shipping Container 1019720	39	10
Oscillograph Console (see Optics-Inertial Test Set)		
Portable Light Assy 1019837	40	III 11
Portable Temperature Controller 1900496 (see Inertial Components Temperature Controller)		
Portable Temperature Controller 2900060	39	4
Programmer and Monitor Cable Kit 2014064	40	III 35A
PSA Adapter Module 2901143	39	30
PSA Handling Fixture 2900998	39	24
PSA Test Point Adapter (see Optics-Inertial Test Set)		
PTA/PEA Mounting Fixture 2900066	40	III 36
PTA/PEA Test Point Adapter (see Optics-Inertial Test Set)		



GSE ITEM	MANUAL	VOL / CHAPTER
Purge and Fill (see Filling and Purging)		
Remote Optics Controller		
1902046-021 (Blk 1-100, II)	40	III 24A
Resolver Circuit Tester 2900708	40	III 38
Retroreflecting Prism 1019840	40	III 15
Rotary Table 1900926	40	III 28
Rotary Table Calibration Set 1900810	40	III 29
Shaft Accuracy Tester 1019769	40	III 14
Signal Conditioner Assembly, and PSA Adapter Module Calibration Unit 2900895	40	III 42
Subsystem Component Mounting Plate Assembly 2900677 and 6900007	40	III 40
Subsystem Mounting Fixture Cart Assembly 2900070	40	III 39
Subsystem Test Interconnection Set 2014268	40	III 8A
Theodolite and Support Assy 1017447	40	III 9
Universal DSKY Handling Fixture 2014013 (also see DSKY Handling Fixtures)	39	23
Variable Deviation Wedge 1017376	40	III 10
Vertical Leveling Mirror 1017445	40	III 18
Zero Degree and 45 Degree Autocollimator Assemblies 1017380 and 1017381	40	III 16

GROUPING

SUBJECT

02072 THRU 03479 - OPTICAL EQUIP. CHECKOUT
 05111 THRU 05821 - COMPUTER EQUIP. AND CSS CHECKOUT
 10181 THRU 10741 - OSS CHECKOUT
 12200 THRU 12299 - G & N CHECKOUT
 14001 THRU 16244 - ISS CHECKOUT
 17104 THRU 17109 - REMOVAL AND REPLACEMENT
 17205 THRU 17305 - PACKAGING
 17603 THRU 17606 - REMOVAL AND REPLACEMENT
 18000 THRU 18244 - GSE OPERATION
 18269 THRU 18839 - PIA AND PPA
 19001 THRU 19269 - GSE CHECKOUT
 19286 THRU 19304 - PACKAGING
 19360 THRU 19875 - GSE CHECKOUT
 20101 THRU 20138 - OSS CHECKOUT

JDC NUMERICAL INDEX

JDC NO.	TITLE	MANUAL
OPTICAL EQUIP. CHECKOUT		
02072	Align the B&N Installation Qualification Fixture	39
02814	Confidence Check of Autocollimators in Zero Degree and 45 Degree Fixtures	40
02815	Visual Inspection	40
02817	Installation	40
02819	Certification of Autocollimators	40
02820	Clean Optics of Optical Unit and Ground Support Equipment	39, 40 42, 43
02821	Certification	40
02839	Autocollimator and Telescope Zero	40
02840	Test Vertical Position with Theodolite	40
02841	Test Horizontal Position	40
02842	Certification	40
02843	Alignment	40
02845	Assemble Components of Shaft Accuracy Tester	40
02846	Certify Shaft Accuracy Tester	40
02848	Visual Inspection	40
02849	Certify Theodolite and Support Assembly	40
02850	Align Theodolite	40
02851	Certify the G&N Installation Qualification Fixture	39
02852	Tilt Test	39
02855	Certification of Retroreflecting Prism	40
03081	Purging and Optical Unit Assy	38

JDC NO.	TITLE	MANUAL
OPTICAL EQUIP. CHECKOUT		
03196	Package and Pack the Optical Unit	38, 39
03197	Unpackaging the Navigation Base and Optical Unit Assembly	38
03234	Package and Pack the G&N Fixture Stand	38
03242	Prepare the Shaft Accuracy Tester for Use	38
03247	Prepare the Theodolite and Support Assembly for Use	38
03248	Prepare the Variable Deviation Wedge for Use	38
03258	Packing of OUA Eyepiece Assemblies	38
03260	Maintenance of Shaft Accuracy Tester	40
03261	Maintenance of Zero Degree and 45 Degree Autocollimator Assemblies	40
03276	Package and Pack Optical GSE Having Storage Cases	38
03277	Package and Pack Optical GSE	38
03278	Prepare Optical Ground Support Equipment for Use	38
03374	Fill Nitrogen Cylinder	38, 39
03479	Prepare Empty Shipping Container for Shipment or Storage	38

JDC NO.	TITLE	MANUAL
COMPUTER EQUIP. & CSS CHECKOUT		
05111	Installation and Removal of AGC in Handling Fixture, Block II	38
05121	Installation and Removal of AGC in Handling Fixture, Block II	38
05129	CTS Installation	40
05400	Frequency Measurement	42, 43
05401	Frequency Measurement	42, 43
05402	Pulse Count	42, 43
05403	Period Measurement	42, 43
05405	Pulse Measurement	42, 43
05406	Tape Load Operating Procedure	42, 43
05407	Tape Verify Operating Procedure	42, 43
05408	Keyboard Load Operating Procedure	42, 43
05409	Read AGC Operating Procedure	42, 43
05410	Channel Load Operating Procedure	42, 43
05411	Channel Read Operating Procedure	42, 43
05412	Transfer Control Operating Procedure	42, 43
05413	Programmer and Monitor and Logic Drawer No. 2 Panels Preliminary Test Set-up	42, 43
05414	XY and RDC Interface Panels Preliminary Test Set-up	42, 43
05415	CSE Cabling Instructions - Block II and LEM	42, 43
05417	Computer Installation and Removal Procedure - Block II and LEM	42, 43



JDC NO.	TITLE	MANUAL
COMPUTER EQUIP. & CSS CHECKOUT		
05420	CSS Power Turn On and Turn Off Procedure - Block II and LEM	42, 43
05771	Operating Procedure for (FVP) Program - Instruction Checks	42, 43
05772	Instructions Checks Mylar Tape	42, 43
05773	Operating Procedure for (FVP) Program - Time and Warning Checks	42, 43
05774	Time & Warning Checks Mylar Tape	42, 43
05775	Operating Procedure for (FVP) Program - MEMCHECKS BANKS 0 and 1	42, 43
05776	MEMCHECK BANKS 0 and 1 Test Mylar Tape	42, 43
05777	Operating Procedure for (FVP) Program - MEMCHECKS BANKS 2 thru 7	42, 43
05778	MEMCHECK BANKS 2 thru 7 Test Mylar Tape	42, 43
05779	Operating Procedure for (FVP) Program - Channel Inst. Checks	42, 43
05780	Channel Inst. Checks Mylar Tape	42, 43
05781	Operating Procedure for (FVP) Program In-Out Checks	42, 43
05782	In-Out Checks Mylar Tape	42, 43
05783	Operating Procedure for (FVP) Program 0 ALLEREST	42, 43
05784	ALLEREST Mylar Tape	42, 43

JDC NO.	TITLE	MANUAL
COMPUTER EQUIP. & CSS CHECKOUT		
05787	Input-Output Register Tests (CMC, LGC)	42, 43
05788	CDU Counters Tests (CMC, LGC)	42, 43
05789	PIPA Counters Tests (CMC, LGC)	42, 43
05790	Gyro Counters Tests (CMC, LGC)	42, 43
05791	Hand Controller Counter Tests (CMC, LGC)	42, 43
05792	LINK Counters Tests (CMC, LGC)	42, 43
05793	Velocity Counters Tests (CMC, LGC)	42, 43
05794	Selfcheck Test Program (CMC, LGC)	42, 43
05795	Voltage Margin Test (CMC, LGC)	42, 43
05800	Computer-DSKY Interface Test	43
05801	Radar Signal Measurements	43
05802	Downlink Signal Measurements	43
05803	Continuous Signal Characteristics	43
05804	Programmed Signal Characteristics Test	43
05805	CB and RDC Signals Test	43
05806	Equipment Setup	43
05807	Equipment Power Turn On	43
05808	Computer Power Turn On	43
05810	Computer-Restart Monitor Interface Test	43
05811	Rope Interface Test	43
05812	Bus A-Bus B Voltage Check	43
05813	Computer-DSKY Interface Test Tape	43
05814	Radar Signal Measurement Test Tape	43

JDC NO.	TITLE	MANUAL
COMPUTER EQUIP. & CSS CHECKOUT		
05815	Continuous Signal Characteristics Test Tape	43
05816	Programmed Signal Characteristics Test Tape	43
05817	C and RD Signals Test Tape	43
05818	Leak Test-Computer and DSKY	43
05819	DSKY Spacecraft Signals	43
05820	Clock Stability Test	43
05821	Rope Interface Test Tape	42, 43
OSS CHECKOUT		
10181	Alignment of OSS Optical Targets	43
10706	Optics to Target Alignment	41
10707	Resolution Check	41
10732	Installation of Shaft Accuracy Tester Base Assembly	43
10733	Installation of Shaft Accuracy Tester Rotary Table	43
10741	Removal of Shaft Accuracy Tester Rotary Table	43
G & N CHECKOUT		
12200	G&N System Visual Inspection	43
12201	Assembly and Preparation of G&N System for Testing	43
12202	Prepare GSE for G&N System Acceptance Testing	43
12203	Turn On Ground Support Equipment	43
12204	General Turnoff and Turnon Procedures for the G&N System	43

JDC NO.	TITLE	MANUAL
G & N CHECKOUT		
12205	Standby Control Test	43
12206	System Operational Tests	43
12207	Operate Control Test	43
12208	System Power Supply Tests	43
12209	CGC Output Test	43
12210	CGC Input Test	43
12211	Optics Coordinate Transformation Control Test	43
12212	Zero Optics Tests	43
12213	Optics Slew Rate Tests	43
12214	Optics Positional Accuracy Tests	43
12215	Master Initialization	43
12216	Semiautomatic Mode Tests	43
12217	IMU Performance Test	43
12218	G&N Fine Alignment Test	43
12219	IRIG Scale Factor Test	43
12220	Gimbal Response	43
12221	Spacecraft Control and Displays Interface Test	43
12222	Gyro Compassing Test	43
12223	Alignment of G&N System Optical Targets	43
12224	Block II Signal Conditioner Functional Checkout	43



JDC NO.	TITLE	MANUAL
G & N CHECKOUT		
12285	Retest Procedures for CDU	43
12286	Retest Procedures for CGC	43
12287	Retest Procedures for DSKY	43
12288	Retest Procedures for IMU and PEA	43
12289	Retest Procedures for Indicator Control Panel	43
12290	Retest Procedures for Optical Unit Assembly	43
12291	Retest Procedures for PSA	43
12292	Retest Procedures for G&N Interconnection Harness A	43
12293	Retest Procedures for G&N Interconnection Harness B	43
12294	Retest Procedures for G&N Interconnection Harness C	43
12295	Retest Procedures for G&N Interconnection Harness D	43
12296	Retest Procedures for G&N Interconnection Harness E	43
12297	Retest Procedures for G&N Interconnection Harness F	43
12298	Retest Procedures for G&N Interconnection Harness H	43
12299	Post Test Preparation of IMU for Shipment	43

JDC NO.	TITLE	MANUAL
ISS CHECKOUT		
14001	G&N Equipment Historical Record	43
14014	Installation of the PIPA Electronics Assembly to the PTA/PEA Mounting Fixture Assembly on the Rotary Table	43
14018	PSA Installation	43
14019	Cable and Coolant Hose Connections	43
14033	First Time Turnon of Inertial Subsystem (ISS) Power	43
14039	Power Supply Tests	43
14080	CDU D/A Converter Tests	43
14097	CDU Fail Detector Tests	43
14155	X PIPA Calibration Module Adjustment	43
14156	Y PIPA Calibration Module Adjustment	43
14157	Z PIPA Calibration Module Adjustment	43
14201	X PIPA Scale Factor Performance	43
14203	Y PIPA Scale Factor Performance	43
14205	Z PIPA Scale Factor Performance	43
14206	PIPA Scale Factor Performance	43
14207	X PIPA Peak Transient Test	43
14208	Y PIPA Peak Transient Test	43
14209	Z PIPA Peak Transient Test	43
14230	IRIG Performance Test	43



JDC NO.	TITLE	MANUAL
ISS CHECKOUT		
16009	IMU and PTA Mounting Fixture Installation on the Rotary Table	42, 43
16010	Rotary Table Leveling Calibration Test	42, 43
16011	IMU Mounting Fixture Alignment Test About the X and Y Axes	42, 43
16012	IMU Mounting Fixture Alignment Test About the Z Axis	42, 43
16013	Installation of the IMU on the IMU Mounting Fixture	42, 43
16017	CDU Installation	42, 43
16029	G&N Coolant Supply Turnon-Turnoff	42, 43
16030	Inertial Subsystem Turn Off	42, 43
16032	Turnon of Optics Inertial Analyzer (OIA) Power	42, 43
16034	Normal ISS and OIA Power Turnon	42, 43
16067	PIPA Loop Tests	42, 43
16075	Stabilization Loop Tests	42, 43
16079	Stabilization Loop Tests	42, 43
16082	CDU Loop Tests	42, 43
16083	CDU Loop Tests	42, 43
16084	Outer Gimbal CDU Repeating Accuracy Test	42, 43
16098	CDU Functional Tests	42, 43
16108	Subsystem Mode Tests (Post Vibration)	42, 43
16110	Stabilization Loop Tests	42, 43
16153	IRIG Degaussing Procedure	42, 43
16158	PIPA Null	42, 43

JDC NO.	TITLE	MANUAL
ISS CHECKOUT		
16159	PIPA Degaussing Procedure	42, 43
16160	Pulse Torque Electronics Tests	42, 43
16161	PIPA Alignment Test	42, 43
16162	PIPA Alignment Test	42, 43
16163	PIPA Alignment Test	42, 43
16164	PIPA Alignment Test	42, 43
16165	PIPA Alignment Test	42, 43
16166	PIPA Alignment Test	42, 43
16167	PIPA Alignment Test	42, 43
16168	PIPA Alignment Test	42, 43
16169	PIPA Alignment Test	42, 43
16170	PIPA Alignment Test	42, 43
16178	Sealing of Precision Resolver Alignment Assembly	42, 43
16179	IRIG Alignment Tests	42, 43
16194	Flight Director Attitude Indicator Interface Tests	42, 43
16200	X PIPA Bias and Input Axis Performance	42, 43
16202	Y PIPA Bias and Input Axis Performance	42, 43
16204	Z PIPA Bias and Input Axis Performance	42, 43
16206	PIPA Scale Factor Performance	42
16207	X PIPA Scale Factor Performance	42
16208	Y PIPA Scale Factor Performance	42
16209	Z PIPA Scale Factor Performance	42
16236	X IRIG Performance Test	42, 43
16237	X IRIG Performance Test	42, 43
16238	X IRIG Performance Test	42, 43
16239	Y IRIG Performance Test	42, 43



JDC NO.	TITLE	MANUAL
ISS CHECKOUT		
16240	Y IRIG Performance Test	42, 43
16241	Y IRIG Performance Test	42, 43
16242	Z IRIG Performance Test	42, 43
16243	Z IRIG Performance Test	42, 43
16244	Z IRIG Performance Test	42, 43
REMOVAL & REPLACEMENT		
17104	Remove and Replace PGNCSS Components	43
17105	Remove and Replace Optical Subsystem Components	43
17108	Remove and Replace Inertial Subsystem Components	43
17109	Airborne Lamp Retainer Panels Installation and Decal Application	43
PACKAGING		
17205	Packaging and Packing of IMU for Shipment	38
17212	Packaging and Packing of G&N Indicator Panel for Storage and Shipment	38
17214	Packaging and Packing of Modules for Storage and Shipment	38
17305	Unpacking Inertial Measuring Unit	38
REMOVAL & REPLACEMENT		
17603	Removal and Replacement of SCA Modules	42, 43

JDC NO.	TITLE	MANUAL
REMOVAL & REPLACEMENT		
17604	Installation and Removal of CDU Handling Fixture	42, 43
17606	Remove and Replace Filter in Interconnect Coolant Hose Assembly	40
GSE OPERATION		
18000	Applying Internal Signals via the Primary Signal Selector Panel	40, 42, 43
18001	Applying Reference Signals to the Dual Beam Oscilloscope via the Primary Signal Selector Panel	40, 42, 43
18002	Applying PSA Test Point Adapter Test Point Signals to the Digital Voltmeter, Phase Angle Voltmeter, and Dual Beam Oscilloscope	40, 42, 43
18005	Voltage Measurements	40, 42, 43
18006	Phase Shift Measurements	40, 42, 43
18007	Time Measurements	40, 42, 43
18008	Frequency Measurements	40, 42, 43
18009	Lower Beam (B Scope, Channel 1) Pulse Monitoring	40, 42, 43
18010	Lower Beam (B Scope) Channel 1) and Channel 2 Monitoring	40, 42, 43
18011	Applying Oscillograph Signals to the Dual Beam Oscilloscope	40, 42, 43

JDC NO.	TITLE	MANUAL
GSE OPERATION		
18012	DC Balance Adjustment of Signal Generator	40, 42, 43
18013	Operation of the Signal Generator	40, 42, 43
18016	Voltage Measurement with the Current Source Monitor and Galvanometer	40
18017	Count Function	40, 42, 43
18018	E/UT \times N ₁ Function	40, 42, 43
18019	Ratio Function	40, 42, 43
18020	Period Function	40, 42, 43
18021	Test N ₁ Function	40, 42, 43
18022	Test N ₂ Function	40, 42, 43
18023	Operation of Oscillograph Console	40, 42, 43
18024	Operation of Oscillograph Console	40, 42, 43
18025	Adjustment of DC Amplifiers	40, 42, 43
18026	Operation of DC Amplifiers	40, 42, 43
18027	Normal Operation (800 CPS Reference) of the Phase Sensitive Demodulator	40, 42, 43

JDC NO.	TITLE	MANUAL
GSE OPERATION		
18028	Normal Operation (3200 CPS Reference) of the Phase Sensitive Demodulator	40, 42, 43
18030	IMU Pressure Test	40, 42, 43
18031	Operation of Phase Sensitive Demodulator	40, 42, 43
18032	Ink Cartridge Installation	40, 42, 43
18033	Pen Installation	40, 42, 43
18034	Change Paper	40, 42, 43
18035	DC Voltage Measurement	40
18036	AC Voltage Measurement	40
18037	Automatic Measurement of an AC or DC Voltage	40, 42, 43
18038	Measurement of a Total RMS Voltage	40, 42, 43
18039	Measurement of a Fundamental RMS Component	40, 42, 43
18040	Measurement of a Phase Angle	40, 42, 43
18041	Measurement of In-Phase and Quadrature Components	40, 42, 43
18042	Indication of a Phase Sensitive Null	40, 42, 43
18043	Operation of the Digital Recorder	40, 42, 43
18044	Gimbal Position Control Panel Operation and Adjustment (Inertial Subsystem Test Only)	40



JDC NO.	TITLE	MANUAL
GSE OPERATION		
18045	Operation of Filling and Purging Fixture	38, 39, 40, 42, 43
18046	G&N Coolant and Power Console Operation and Interconnections	40, 42, 43
18047	Operation of the Optics CDU Load and Signal Simulator	40
18048	Operation of the IMU CDU Load and Signal Simulator	40
18049	Maintain and Monitor IMU Heat Using ICTC	
18050	Auxiliary Input Panel Use and Operation	40, 42, 43
18052	Cable Breakout for Signal Monitoring and Continuity Testing of Block II Systems	40, 43
18054	Setup Procedures that Enable DSKY Entries to be punched on CTS Tape	42, 43
18074	Bonding Washers on Mounting Flanges	42, 43
18075	PSA Moistureproofing	
18078	Application of DC-4 Silicone Grease	42, 43
18079	Lubrication of Airborne Harness Connectors	42, 43
18080	Straightening of Pin Contacts	42, 43
18081	Removal of DC-4 Silicone Grease from Airborne Component Connector Contacts	42, 43

JDC NO.	TITLE	MANUAL
GSE OPERATION		
18082	Moistureproofing Assembly Screwheads	42, 43
18083	Cleaning of Connectors and Components	42, 43
18084	Repair of Painted Surfaces	42, 43
18085	Repair of Corroded Magnesium	42, 43
18086	Mercury Decontamination and Handling Safety	40, 42, 43
18087	Removal of Ethylene Glycol Solution Leaks and Spills - General Instructions	42, 43
18088	Removal of Ethylene Glycol Solution Leaks and Spills - Airborne Harnesses	42, 43
18090	Removal of Ethylene Glycol Solution Leaks and Spills - CDU, PSA, PEA, PTA, CMC, and LGC	42, 43
18091	Removal of Ethylene Glycol Solution Leaks and Spills - DSKY	42, 43
18092	Removal of Ethylene Glycol Solution Leaks and Spills - IMU	42, 43
18093	Removal of Ethylene Glycol Solution Leaks and Spills - CCRD and G&N Indicator Control Panel	42, 43
18094	Removal of Ethylene Glycol Solution Leaks and Spills - Optical Unit and Bellows Assy and OUA Eyepieces	43



JDC NO.	TITLE	MANUAL
GSE OPERATION		
18095	Removal of Ethylene Glycol Solution Leaks and Spills - SCA	42, 43
18096	Removal of Ethylene Glycol Solution Leaks and Spills - Nav Base and Eyepiece Stowage Unit	42, 43
18097	Removal of Ethylene Glycol Solution Leaks and Spills - GSE Components and Interconnect Harnesses	42, 43
18098	G&N Harness Clamp Selection Procedure	42, 43
18099	Microdot Connector Inspection	42, 43
18100	Lubrication and Cleaning of Component Header Helicoil Inserts and Engaging Hardware	42, 43
18103	Applying Auxiliary Signals via the Primary Signal Selector Panel	40, 42, 43
18104	Applying Signals to the Dual Beam Oscilloscope via the Auxiliary Input Panel	40, 42, 43
18147	Operation of Optics CDU Load and Signal Simulator	
18202	Applying PTA/PEA Test Point Adapter Test Point Signals to the Digital Voltmeter, Phase Angle Voltmeter, and Dual Beam Oscilloscope	40, 42, 43
18204	Applying Signals to the Dual Beam Oscilloscope via the Auxiliary Input Panel	40, 42, 43

JDC NO.	TITLE	MANUAL
GSE OPERATION		
18216	Voltage Measurement with the Current Source Monitor and Galvanometer	40, 42, 43
18235	DC Voltage Measurement	40, 42, 43
18236	AC Voltage Measurement	40, 42, 43
18244	Gimbal Position Control Panel Operation and Adjustment (Inertial Subsystem Test Only)	40, 42, 43
PIA AND PPA		
18269	PGNCS Interconnect Harness Group Pre-Installation Acceptance Test	43
18270	OUA Pre-Power Assurance Test	43
18271	CDU Pre-Power Assurance Test	43
18272	IMU and PEA Pre-Power Assurance Test	43
18273	Indication Control Panel Pre-Installation Acceptance Test	43
18274	PSA 28 VDC Filter Test	43
18275	PSA Pre-Power Assurance Test	43
18832	Signal Conditioner Preparation for Checkout - Block II	43
18833	Signal Conditioner Gimbal Resolver Tests - Block II	43
18834	Signal Conditioner DAC, PIPA Temp, and 2.25V Bias Tests - Block II	43



JDC NO.	TITLE	MANUAL
PIA AND PPA		
18835	Signal Conditioner PIPA and IRIG Tests - Block II	43
18836	Signal Conditioner 120 V PIPA Supply Tests - Block II	43
18837	Signal Conditioner Optics and Attitude Error Tests - Block II	43
18838	Signal Conditioner Torque Motor and 1X Sine Gimbal Tests - Block II	43
18839	Signal Conditioner 120 V PIPA Supply and IRIG Temp Tests - Block II	43
GSE CHECKOUT		
19001	Calibration of Gimbal Position Display 1X Resolvers	40
19002	Calibration of Gimbal Position Display 16X Resolvers	40
19009	Calibration of 3200 CPS Frequency Comparator	40
19010	Calibration of 3200 CPS Voltage Comparator	40
19011	Test of Verification Assembly	40
19012	Calibration of Three Phase Voltage Comparator	40
19013	Calibration of DC Voltage Comparator	40
19014	Calibration of ± 28 Volt DC Pilot Power Supply	40
19018	Calibration of 102.4-KC Pulse Detectors	40

JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19020	Calibration of Buffer Amplifiers (800 and 3200 CPS)	40
19021	Test of Buffer Amplifiers (800 CPS, $\pi/2$ Phase)	40
19022	Test of Buffer Amplifiers (800 CPS, 0 Phase)	40
19026	Calibration of 115 Volt, 400 CPS Power Supply	40
19027	Calibration of Pulse Generator Assembly	40
19032	Calibration of Current Source Monitor Panel	40
19033	Cleaning of Filter	40
19038	Calibration of Gimbal Position Control Panel	40
19039	Calibration and Checkout of Gimbal Dump Protection Assemblies	40
19040	Calibration and Checkout of IG, MG and OG Precision Servo Amplifiers	40
19041	Calibration and Checkout of Phase Sensitive Error Detector	40
19042	Calibration of Monitor Panel	40
19043	Calibration and Checkout of Wheel Power and -28 VDC Sensor	40
19044	Calibration and Checkout of Phase Angle Detector	40



JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19045	Calibration of Oscillograph Signal Selector Panel	40
19046	Calibration and Checkout of Buffer Amplifier (300 and 3200 CPS)	40
19047	Checkout of Buffer Amplifier (3200-CPS)	40
19048	Calibration of Power Supply and Load Panel	40
19049	Calibration and Checkout of 2/28, 5 Volt, 3200 CPS Power Supply	40
19076	Calibration of Temperature Monitor Control Panel	40
19077	Calibration and Checkout of Electronic Components Assembly	40
19080	Calibration and Checkout of Temperature Alarm Amplifier	40
19081	Calibration and Checkout of Bridge Excitation and Power Supply Monitor	40
19082	Calibration and Checkout of Temperature Indicator Amplifiers	40
19088	Calibration and Checkout of Quadrature Supply (800 and 3200 CPS)	40
19089	Calibration and Checkout of AC Calibration Standard	40

JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19090	Calibration and Checkout of DC Calibration Standard	40
19091	Calibration of Gyro Caging Electronics Panel	40
19099	Cleaning of Coolant Supply Flow Sensors	40
19101	Calibration and Checkout of Voltage Amplifiers	40
19102	Calibration of Band Pass Amplifier in PSA Test Point Adapter	40
19103	Calibration of Pulse Buffer Amplifier in PSA Test Point Adapter	40
19104	Calibration of AC and AC Voltage Amplifiers in PSA Test Point Adapter	40
19105	Calibration of Primary Signal Selector Panel	40
19106	Checkout of Electronic Components Assembly	40
19107	Checkout of Signal Shaping and Inhibit Assembly	40
19108	Calibration of Temperature Indicator	40
19109	Test of Buffer Amplifier	40
19110	Test of Resolver Amplifier	40
19111	Calibration and Checkout of Band Pass Amplifier	40
19112	Checkout of Pulse Buffer Amplifier	40
19113	Checkout of AC Amplifier	40
19115	Functional Check of Galvanometer	40
19117	Degaussing Procedure for Decade Error Bridge	40



JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19118	Resolver Circuit Tester Zero Position	40
19119	Decade Error Bridge Switch Maintenance	40
19128	5-Inch Autocollimator Calibration	40
19131	Calibration of Current Source Monitor Panel	40
19132	Oscillograph Preventive Maintenance	40
19133	Calibration of the Decade Error Bridge and the Phase Angle Null Indicator in the Resolver Circuit Tester	40
19230	800 and 3200 CPS Phase Generator Calibration	40
19231	Coolant Supply Flow Sensor Adjustment	40
19232	Coolant Supply Pressure Sensor Adjustment	40
19233	Coolant Supply Filter Replacement	40
19234	Coolant Supply Bleeding Procedure	40
19235	Coolant Draining and Filling Procedure	40
19236	Replace Coolant Supply Rotary Pump Shaft Seals	40
19237	Replace Coolant Supply Centrifugal Pump Rotary Assembly	40
19238	Coolant Supply High and Low Temperature Sensors Adjustment	40

JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19240	Checkout Coolant Supply Condensing Unit	40
19241	Add Refrigerant to Coolant Supply Condensing Unit	40
19242	Evacuation, Dehydration and Refrigerant Charging of Coolant Supply Condensing Unit	40
19243	Removal and Installation of Coolant Supply Discharge Pressure Gage	40
19244	Removal and Installation of Coolant Supply Compressor Suction Gage	40
19245	Removal and Installation of Coolant Supply Condensing Unit	40
19246	Lubrication and Cleaning of Digital Recorder Printer	40
19251	Verification of Oscillograph Chart Speed	40
19252	Performance Verification of Monitor Panel	40
19253	Performance Verification of Power Supply and Load Panel	40
19254	Performance Verification of Oscillograph Signal Selector Panel	40
19255	Performance Verification of Temperature Indicator	40
19256	Performance Verification of Gyro Caging Electronics Panel	40

JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19257	Performance Verification of Primary Signal Selector Panel	40
19258	Performance Verification of II/LEM Temperature Monitor Control Panel	40
19259	Performance Verification of GSE Power Supplies	40
19260	Performance Verification of Digital Voltmeter	40
19261	Performance Verification of Counter	40
19262	Performance Verification of Phase Angle Voltmeter	40
19263	Performance Verification of Dual Beam Oscilloscope	40
19264	Performance Verification of Oscillograph DC Amplifiers	40
19265	Performance Verification of Oscillograph Phase Sensitive Demodulators	40
19266	Performance Verification of Phase Angle Voltmeter	40
19267	Performance Verification of Dual Beam Oscilloscope	40
19268	Performance Verification of Oscillograph Phase Sensitive Demodulators	40
19269	Ground Isolation Check	40

JDC NUMERICAL INDEX

JDC NO.	TITLE	MANUAL
PACKAGING		
19286	General Packaging and Packing of Spacecraft Components and Spares	38
19287	General Packaging and Packing of Drawers and Panels of Ground Equipment Consoles and Items Intended for Immediate Use	38
19288	Packaging and Packing of Ground Support Test Equipment	38
19290	Packaging and Packing of Interconnecting Cables and Hoses	38
19291	Packaging and Packing of Current Source Monitor Panel	38
19292	Packaging and Packing of Nickel-Cadmium Battery Cells	38
19295	Unpacking and Unpacking Checklist	38
19296	Transportation of G&N Components Using G&N Transportation Cart	38
19301	Storage of IMU in Shipping Container	38
19302	Packaging and Packing Block II Interconnect Harnesses	38
19304	Packaging and Packing of Power and Servo Assembly	38



JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19360	Adjustment of Dual Beam Oscilloscope (Scope A Upper Beam, Vertical Plug-in Unit)	40
19361	Adjustment of Dual Beam Oscilloscope (Scope B Lower Beam, Vertical Plug-in Unit)	40
19362	Adjustment of Dual Beam Oscilloscope	40
19363	Adjustment of Oscillograph DC Amplifiers	40
19364	Adjustment of Oscillograph Phase Sensitive Demodulators	40
19402	Monitor Panel Nickel Cadmium Battery Maintenance	40
19650	Block II PSAAM Checkout Initial Conditions	39
19651	Block II PSAAM 800 CPS AC Amplifier Checkout	39
19652	Block II PSAAM 800 CPS Phase Sensitive Demodulator Checkout and Calibration	39
19653	Block II PSAAM 800 CPS Phase Difference Circuit Checkout and Calibration	39
19654	Block II PSAAM 3200 CPS Phase Sensitive Demodulator Checkout and Calibration	39
19655	Block II PSAAM Glitch Detector Checkout and Calibration	39
19656	Block II PSAAM 3200 CPS Phase Difference Circuit Checkout and Calibration	39

JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19657	Block II PSAAM Accelerometer Monitor Checkout	39
19658	Block II PSAAM Line Drive Amplifier Checkout	39
19659	Block II PSAAM Servo Test and CGC Margin Test Enable Checkout	39
19660	Block II PSAAM Continuity Checkout	39
19702	Discharging Auxiliary Battery Pack Nickel-Cadmium Battery Cells	38
19703	Discharging Battery Power Pack Nickel-Cadmium Battery Cells	38
19726	Lubrication of Rotary Table	40
19728	Rotary Table Tilt and Rotary Axis Calibration	40
19729	Theodolite and Ultradex Procedures for Rotary Table Rotary Axis Calibration for OSS Testing	40
19752	Lubrication of Optics and Navigation Base Fixture	40
19764	Alignment of G&N Mtg. Fixture	40
19765	Cleaning of Quick-Disconnect Couplings	39, 40
19789	Pushbutton Indicator Test	40
19790	Continuity Test	40
19791	Voltage and Phase Control Test	40
19808	Calibration of AC Amplifier in PTA/PEA Test Point Adapter	40



JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19809	Calibration of Pulse Buffer Amplifier in PTA/PEA Test Point Adapter	40
19811	Emergency Power and Current Output Check of Inertial Components Temperature Controller	39
19814	Normal and Alarm Check of Battery Power Pack	39
19815	Discharge and Recharge Test of Battery Power Pack	39
19817	Nickel Cadmium Battery Cell Maintenance	39
19818	Normal Charge Test of Battery Power Pack	39
19819	Portable Temperature Controller Calibration	39
19820	Portable Temperature Controller (PTC I) Checkout	39
19822	Dial and Maximum-Minimum Thermometers Checkout	39
19826	Reassembly and Charging of Battery Power Pack or Auxiliary Battery Pack Battery cells	38, 39
19839	Battery Power Pack Remote Alarm Checkout	39
19846	Resistance Test of Degausser	39
19847	Degausser Voltage Ratio and Noise Test	39
19848	Current Test of Degausser	39
19849	Corrosion Protection of Meehanite Castings	39
19850	Checkout of Filling and Purging Fixture	40

JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19851	PTC Checkout (LEM/Block II)	39
19852	Portable Temperature Controller (PTC II) Calibration	39
19853	Silver Cadmium Battery Cell Maintenance	39
19855	Periodic Operation of Purging and Filling Fixture Vacuum Pump	40
19856	Check Oil Level of Filling and Purging Fixture on Vacuum Pump	40
19857	Change Oil of Filling and Purging Fixture Vacuum Pump	40
19858	Check of Filling and Purging Fixture Vacuum Pump Drive	40
19823	Normal Power Charge Test of Auxiliary Battery Pack	
19824	Normal Function Check of Auxiliary Battery Pack	
19825	Continuity Test and Polarity Check of Auxiliary Battery Pack	
19859	Lifting Battery Pack Calibration	39
19860	Lifting Battery Pack Checkout	39
19861	Silver Zinc Battery Cell Maintenance	39
19862	Silver Zinc Battery Cell Activation	39
19863	Lifting Temperature Controller Checkout	39
19872	Battery Power Pack Checkout and Calibration	39



JDC NO.	TITLE	MANUAL
GSE CHECKOUT		
19873	Inertial Components Temperature Controller Checkout	39
19874	Auxiliary Battery Pack Checkout and Calibration	39
19875	Portable Temperature Controller (PTC-II) Checkout and Calibration	39
OSS CHECKOUT		
20101	Prefunctional Check	43
20102	Power Check	43
20103	SXT Shaft Accuracy Test	43
20104	SCT Shaft Accuracy Test	43
20105	Line-of-Sight Parallelism Check	43
20106	SXT Trunnion Accuracy Test	43
20107	SCT Trunnion Accuracy Test	43
20108	Maximum Drive Rates and Resolved Mode Test	43
20109	CDU Fail Test	43
20110	Trunnion Servo Loop Test	43
20111	Shaft Servo Loop Test	43
20112	SXT Shaft Zero Check	43
20130	Installation of Optics/NB MTG. Fixture on Rotary Table	43
20134	OSS/GSE Electrical Interconnections	43
20135	Installation of Optical Unit Assembly on Optics/NB MTG. Fixture	43
20136	Installation of OSS Equipment	43
20138	Turn On of G&N Coolant Supply	

JDC ALPHABETICAL INDEX

TITLE	JDC NO.
AC Amplifier Checkout	19113
AC Amplifier in PTA/PEA Test Point Adapter Calibration	19808
AC and AC Voltage Amplifiers in PSA Test Point Adapter Calibration	19104
AC Calibration Standard Calibration and Checkout	19089
AC Voltage Measurement	18036
AC Voltage Measurement	18236
AGC Installation and Removal in Handling Fixture - Block II	05111
AGC Installation and Removal in Handling Fixture - Block II	05121
AGC Read Operating Procedure	05409
Airborne Lamp Retainer Panels Installation and Decal Application	17109
Alignment (Miscellaneous Optical Subsystem Test Equipment)	02843
ALLEREST Mylar Tape	05784
Autocollimator and Telescope Zero	02839
Autocollimators Certification	02819
Autocollimators in Zero Degree and 45 Degree Fixtures Confidence Check	02814
Automatic Measurement of an AC or DC Voltage	18037
Auxiliary Battery Pack Checkout and Calibration	19874
Auxiliary Battery Pack Nickel-Cadmium Battery Cells Discharging	19702
Auxiliary Battery Pack Continuity Test and Polarity Check	19823
Auxiliary Battery Pack Normal Function Check	19824



TITLE	JDC NO.
Auxiliary Battery Pack Normal Power Charge	19825
Auxiliary Input Panel Use and Operation	18050
Band Pass Amplifier Calibration and Checkout	19111
Battery Power Pack Checkout and Calibration	19872
Battery Power Pack Discharge and Recharge Test	19815
Battery Power Pack Nickel-Cadmium Battery Cells Discharging	19703
Battery Power Pack Normal and Alarm Check	19814
Battery Power Pack Normal Charge Test	19818
Battery Power Pack or Auxiliary Battery Pack Battery Cells Re-assembly and Charging	19826
Battery Power Pack Remote Alarm Checkout	19839
Block I Series 100 PSAAM Gitch Detector Checkout and Calibration	19928
Block II Interconnect Harnesses Packaging and Packing	19302
Block II PSAAM Accelerometer Monitor Checkout	19657
Block II PSAAM Checkout Initial Conditions	19650
Block II PSAAM Continuity Checkout	19660
Block II PSAAM Glitch Detector Checkout and Calibration	19655
Block II PSAAM Line Drive Amplifier Checkout	19658

JDC ALPHABETICAL INDEX

TITLE	JDC NO.
Block II PSAAM Servo Test and CGC Margin Test Enable Checkout	19659
Block II PSAAM 800 CPS AC Amplifier Checkout	19651
Block II PSAAM 800 CPS Phase Difference Circuit Checkout and Calibration	19653
Block II PSAAM 800 CPS Phase Sensitive Demodulator Checkout and Calibration	19652
Block II PSAAM 3200 CPS Phase Difference Circuit Checkout and Calibration	19656
Block II PSAAM 3200 CPS Phase Sensitive Demodulator Checkout and Calibration	19654
Block II Signal Conditioner Functional Checkout	12224
Bridge Excitation and Power Supply Monitor Calibration and Checkout	19081
Buffer Amplifier Test	19109
Buffer Amplifier (3200 CPS) Checkout	19047
Buffer Amplifier (800 and 3200 CPS) Calibration and Checkout	19046
Buffer Amplifiers (800 and 3200 CPS) Calibration	19020
Buffer Amplifiers (800 CPS, $\pi/2$ Phase) Test	19021
Buffer Amplifiers (800 CPS, 0 Phase) Test	19022
Cable Breakout for Signal Monitoring and Continuity Testing of Block II Systems	18052



TITLE	JDC NO.
C and RD Signals Test Tape	05817
CB and RDC Signals Test	05805
CDU Counters Tests (CMC, LGC)	05788
CDU D/A Converter Tests	14080
CDU D/A Converter Tests	16080
CDU Fail Detector Tests	14097
CDU Fail Test	20109
CDU Functional Tests	16098
CDU Handling Fixture Installation and Removal	17604
CDU Installation	16017
CDU Loop Tests (Inner Gimbal CDU Repeating Accuracy Tests)	16082
CDU Loop Test (Middle Gimbal CDU Repeating Accuracy Tests)	16083
CDU Loop Tests (Outer Gimbal CDU Repeating Accuracy Test)	16084
CDU Pre-Power Assurance Test	18271
CDU Retest Procedure	12285
Certification (Miscellaneous Optical Subsystem Test Equipment)	02821
Certification (Miscellaneous Optical Subsystem Test Equipment)	02842
CGC Input Test	12210
CGC Output Test	12209
Change Paper	18034
Channel Inst. Checks Mylar Tape	05780
Channel Load Operating Procedure	05410
Channel Read Operating Procedure	05411
Checklist for Unpacking and Unpackaging	19295
Clock Stability Test	05820
Computer and DSKY Leak Test	05818

TITLE	JDC NO.
Computer - DSKY Interface Test	05800
Computer - DSKY Interface Test Tape	05813
Computer Installation and Removal Procedure - Block II and LEM	05417
Computer Power Turn On	05808
Computer - Restart Monitor Interface Test	05810
Continuity Test (Remote Optics Controller)	19790
Continuous Signal Characteristics	05803
Continuous Signal Characteristics Test Tape	05815
Coolant Draining and Filling Procedure	19234
Coolant Supply Bleeding Procedure	19234
Coolant Supply Centrifugal Pump Rotary Seal Assembly Replacement	19237
Coolant Supply Compressor Suction Cage Removal and Installation	19244
Coolant Supply Condensing Unit Checkout	19240
Coolant Supply Condensing Unit Evacuation, Dehydration and Refrigerant Charging	19242
Coolant Supply Condensing Unit Refrigerant Addition	19241
Coolant Supply Condensing Unit Removal and Installation	19245
Coolant Supply Discharge Pressure Gage Removal and Installation	19243
Coolant Supply Filter Replacement	19233
Coolant Supply Flow Sensor Adjustment	19231
Coolant Supply Flow Sensors Cleaning	19099



TITLE	JDC NO.
Coolant Supply High and Low Temperature Sensors Adjustment	19238
Coolant Supply Pressure Sensor Adjustment	19232
Coolant Supply Rotary Pump Shaft Seals Replacement	19236
Count Function	18017
Counter Performance Verification	19261
CSS Power Turn On and Turn Off Procedure - Block II and LEM	05420
CTS Installation	05129
Current Source Monitor Panel Calibration	19032
Current Source Monitor Panel Calibration	19131
Current Source Monitor Panel Packaging and Packing	19291
DC Amplifiers Adjustment	18025
DC Amplifiers Operation	18026
DC Balance Adjustment of Signal Generator	18012
DC Calibration Standard Calibration and Checkout	19090
DC Voltage Comparator Calibration	19013
DC Voltage Measurement	18035
DC Voltage Measurement	18235
DC-4 Silicone Grease Application to Airborne Component Connectors	18078
DC-4 Silicone Grease Removal from Airborne Component Connector Contacts	18081

JDC ALPHABETICAL INDEX

TITLE	JDC NO.
Decade Error Bridge and Phase Angle Null Indicator Calibration in Resolver Circuit Tester	19133
Decade Error Bridge Degaussing Procedure	19117
Decade Error Bridge Switch Maintenance	19119
Degausser Current Test	19848
Degausser Resistance Test	19846
Degausser Voltage Ratio and Noise Test	19847
Dial and Maximum - Minimum Thermometers Checkout	19822
Digital Recorder Operation	18043
Digital Voltmeter Performance Verification	19260
Drawers and Panels of Ground Equipment Consoles and Items Intended for Immediate Use General Packaging and Packing	19287
DSKY Entries on CTS Tape (Setup Procedures)	18054
DSKY Retest Procedures	12287
DSKY Spacecraft Signals	05819
Dual Beam Oscilloscope Adjustment	19362
Dual Beam Oscilloscope Application of Reference Signals via the Primary Signal Selector Panel	18001
Dual Beam Oscilloscope Application of Signals via the Auxiliary Input Panel	18104/ 18204
Dual Beam Oscilloscope Performance Verification	19263



TITLE	JDC NO.
Dual Beam Oscilloscope Performance Verification	19267
Dual Beam Oscilloscope (Scope A Upper Beam, Vertical Plug-in Unit) Adjustment	19360
Dual Beam Oscilloscope (Scope B Lower Beam, Vertical Plug-in Unit) Adjustment	19361
Electronic Components Assembly Calibration and Checkout	19077
Electronic Components Assembly Checkout	19106
Equipment Setup	05806
Ethylene Glycol Solution Leaks and Spills - General Instructions for Removal	18087
Ethylene Glycol Solution Leaks and Spills - Removal from Airborne Harnesses	18088
Ethylene Glycol Solution Leaks and Spills - Removal from CDU, PSA, PEA, PTA, CMC, and LGC	18090
Ethylene Glycol Solution Leaks and Spills - Removal from DSKY	18091
Ethylene Glycol Solution Leaks and Spills - Removal from G&N Indicator Control Panel	18093
Ethylene Glycol Solution Leaks and Spills - Removal from GSE Components and Interconnect Harnesses	18097
Ethylene Glycol Solution Leaks and Spills - Removal from IMU	18092

JDC ALPHABETICAL INDEX

TITLE	JDC NO.
Ethylene Glycol Solution Leaks and Spills - Removal from Nav Base and Eyepiece Stowage Unit	18096
Ethylene Glycol Solution Leaks and Spills - Removal from Optical Unit and Bellows Assy & OUA Eyepieces	18094
Ethylene Glycol Solution Leaks and Spills - Removal from SCA	18095
E/UT X N ₁ Function	18018
Filling and Purging Fixture Checkout	19850
Filling and Purging Fixture Operation	18045
Filling and Purging Fixture Vacuum Pump Drive Check	19858
Filling and Purging Fixture Vacuum Pump Oil Change	19857
Filling and Purging Fixture Vacuum Pump Oil Level Check	19856
Filter Cleaning	19033
Flight Director Attitude Indicator Interface Tests	16194
Frequency Measurement	05401
Frequency Measurement	05400
Frequency Measurements	18008
Fundamental RMS Component Measurement	18039
G&N Assembly and Preparation for System Testing	12201
G&N Components Transportation Using G&N Transportation Cart	19296
G&N Coolant and Power Console Operation and Interconnections	18046
G&N Coolant Supply Turnon	20138
G&N Coolant Supply Turnon-Turnoff	16029



TITLE	JDC NO.
G&N Equipment Historical Record	14001
G&N Fine Alignment Test	12218
G&N Fixture Stand Packaging and Packing	03234
G&N Indicator Panel Packaging and Packing for Storage and Shipment	17212
G&N Installation Qualification Fixture Alignment	02072
G&N Installation Qualification Fixture Certification	02851
G&N Interconnection Harness A Retest Procedures	12292
G&N Interconnection Harness B Retest Procedures	12293
G&N Interconnection Harness C Retest Procedures	12294
G&N Interconnection Harness D Retest Procedures	12295
G&N Interconnection Harness E Retest Procedures	12296
G&N Interconnection Harness F Retest Procedures	12297
G&N Interconnection Harness H Retest Procedures	12298
G&N Mounting Fixture Alignment	19764
G&N System General Turnoff and Turnon Procedures	12204
G&N System Optical Targets Alignment	12223
G&N System Visual Inspection	12200
Galvanometer Functional Check	19115
Gimbal Dump Protection Assemblies Calibration	19039

JDC ALPHABETICAL INDEX

TITLE	JDC NO.
Gimbal Position Control Panel Calibration	19038
Gimbal Position Control Panel Operation and Adjustment (Inertial Subsystem Test Only)	18044
Gimbal Position Control Panel Operation and Adjustment (Inertial Subsystem Test Only)	18244
Gimbal Position Display 1X Resolvers Calibration	19001
Gimbal Position Display 16X Resolvers Calibration	19002
Gimbal Response	12220
Ground Isolation Check	19269
Ground Support Equipment Turn On	12203
Ground Support Test Equipment Packaging and Packing	19288
GSE Cabling Instructions - Block II and LEM	05415
GSE Power Supplies Performance Verification	19259
GSE Preparation for G&N System Acceptance Testing	12202
GSE-PSA Junction Box Insulation Resistance and Relays Check	19901
Gyro Caging Electronics Panel Performance Verification	19256
Gyro Caging Electronics Panel Calibration	19091
Gyro Compassing Test	12222
Gyro Counters Tests (CMC, LGC)	05790
Hand Controller Counters Tests (CMC, LGC)	05791



TITLE	JDC NO.
IG, MG, and OG Precision Servo Amplifiers Calibration and Checkout	19040
IMU and PEA Pre-Power Assurance	18272
IMU and PEA Retest Procedures	12288
IMU and PTA Mounting Fixture Installation on the Rotary Table	16009
IMU CDU Load and Signal Simulator Operation	18048
IMU Heat, Maintaining and Monitoring Using ICTC	18049
IMU Heat, Maintaining and Monitoring Using Lifting Temperature Controller	18250
IMU Heat, Maintaining and Monitoring Using Portable Temperature Controller	18249
IMU Installation on the IMU Mounting Fixture	16013
IMU Mounting Fixture Alignment Test about the X and Y Axis	16011
IMU Mounting Fixture Alignment Test about the Z Axis	16012
IMU Packaging and Packing for Shipment	17205
IMU Performance Test	12217
IMU Post Test Preparation for Shipment	12299
IMU Pressure Test	18030
IMU Storage in Shipping Container	19301
Indication Control Panel Pre-Installation Acceptance Test	18273
Indicator Control Panel Retest Procedures	12289
Inertial Components Temperature Controller Checkout	19873

TITLE	JDC NO.
Gimbal Position Control Panel Calibration	19038
Gimbal Position Control Panel Operation and Adjustment (Inertial Subsystem Test Only)	18044
Gimbal Position Control Panel Operation and Adjustment (Inertial Subsystem Test Only)	18244
Gimbal Position Display 1X Resolvers Calibration	19001
Gimbal Position Display 16X Resolvers Calibration	19002
Gimbal Response	12220
Ground Isolation Check	19269
Ground Support Equipment Turn On	12203
Ground Support Test Equipment Packaging and Packing	19288
GSE Cabling Instructions - Block II and LEM	05415
GSE Power Supplies Performance Verification	19259
GSE Preparation for G&N System Acceptance Testing	12202
GSE-PSA Junction Box Insulation Resistance and Relays Check	19901
Gyro Caging Electronics Panel Performance Verification	19256
Gyro Caging Electronics Panel Calibration	19091
Gyro Compassing Test	12222
Gyro Counters Tests (CMC, LGC)	05790
Hand Controller Counters Tests (CMC, LGC)	05791



TITLE	JDC NO.
IG, MG, and OG Precision Servo Amplifiers Calibration and Checkout	19040
IMU and PEA Pre-Power Assurance	18272
IMU and PEA Retest Procedures	12288
IMU and PTA Mounting Fixture Installation on the Rotary Table	16009
IMU CDU Load and Signal Simulator Operation	18048
IMU Heat, Maintaining and Monitoring Using ICTC	18049
IMU Heat, Maintaining and Monitoring Using Lifting Temperature Controller	18250
IMU Heat, Maintaining and Monitoring Using Portable Temperature Controller	18249
IMU Installation on the IMU Mounting Fixture	16013
IMU Mounting Fixture Alignment Test about the X and Y Axis	16011
IMU Mounting Fixture Alignment Test about the Z Axis	16012
IMU Packaging and Packing for Shipment	17205
IMU Performance Test	12217
IMU Post Test Preparation for Shipment	12299
IMU Pressure Test	18030
IMU Storage in Shipping Container	19301
Indication Control Panel Pre-Installation Acceptance Test	18273
Indicator Control Panel Retest Procedures	12289
Inertial Components Temperature Controller Checkout	19873

TITLE	JDC NO.
Inertial Components Temperature Controller Emergency Power and Current Output Check	19811
Inertial Measuring Unit Unpacking	17305
Inertial Subsystem Components Removal and Replacement	17108
Inertial Subsystem (ISS) Power First Time Turnon	14033
Inertial Subsystem Turn Off	16030
Ink Cartridge Installation	18032
In-Phase and Quadrature Component Measurement	18041
In-Out Checks Mylar Tape	05782
Input-Output Register Tests (CMC, LGC)	05787
Installation (Miscellaneous Optical Subsystem Test Equipment)	02817
Instructions Checks Mylar Tape	15772
Interconnecting Cables and Hoses Packaging and Packing	19290
Interconnect Coolant Hose Assembly Filter Removal and Replacement	17606
IRIG Alignment Tests	16179
IRIG Degaussing Procedure	16153
IRIG Performance Test	14230
IRIG Scale Factor Test	12219
ISS and OIA Normal Power Turnon	16034
Keyboard Load Operating Procedure	15408
LGC Retest Procedures	12285
Lifting Battery Pack Calibration	19859
Lifting Battery Pack Checkout	19860
Lifting Temperature Controller Checkout	19863
Line-of-Sight Parallelism Check	20105
LINK Counters Tests (CMC, LGC)	15792



TITLE	JDC NO.
Lower Beam (B Scope) Channel 1 and Channel 2 Monitoring	18010
Lower Beam (B Scope, Channel 1) Pulse Monitoring	18009
Lubrication and Cleaning of Component Header Helicoil Inserts and Engaging Hardware	18100
Lubrication and Cleaning of Digital Recorder Printer	19246
Lubrication of Airborne Harness Connectors	18079
Master Initialization	12215
Maximum Drive Rates and Resolved Mode Test	20108
Meehanite Castings Corrosion Protection	19849
MEMCHECK BANKS 0 and 1 Test Mylar Tape	05776
MEMCHECK BANKS 2 thru 7 Test Mylar Tape	05778
Mercury Decontamination and Handling Safety	18086
Microdot Connector Inspection	18099
Module Packaging and Packing for Storage and Shipment	17214
Moistureproofing Assembly Screwheads	18082
Monitor Panel Calibration	19042
Monitor Panel Nickel Cadmium Battery Maintenance	19402
Monitor Panel Performance Verification	19252
Mounting Flange Washer Bonding	18074

TITLE	JDC NO.
Navigation Base and Optical Unit Assembly Unpacking	03197
Nickel Cadmium Battery Cell Maintenance	19817
Nickel-Cadmium Battery Cells Packaging and Packing	19292
Nitrogen Cylinder Filling	03374
Operate Control Test	12207
Optical Ground Support Equipment Preparation for Use	03278
Optical GSE Having Storage Cases Packaging and Packing	03276
Optical GSE Packaging and Packing	03277
Optical Subsystem Components Removal and Replacement	17105
Optical Unit Assembly Installation on Optics/NB MTG. Fixture	20135
Optical Unit Assembly Purging	03081
Optical Unit Packaging and Packing	03196
Optical Unit Assembly Retest Procedures	12290
Optics and Navigation Base Fixture Lubrication	19752
Optics CDU Load and Signal Simulator Operation	18047
Optics CDU Load and Signal Simulator Operation	18147
Optics Coordinate Transformation Control Test	12211
Optics Inertial Analyzer (OLA) Power Turnon	16032
Optics/NB MTG. Fixture Installation on Rotary Table	20130



TITLE	JDC NO.
Optics of Optical Unit and Ground Support Equipment Cleaning	02820
Optics Positional Accuracy Tests	12214
Optics Slew Rate Tests	12213
Optics to Target Alignment	10706
Oscillograph Chart Speed Verification	19251
Oscillograph Console Operation	18023
Oscillograph Console Operation	18024
Oscillograph DC Amplifiers Adjustment	19363
Oscillograph DC Amplifiers Performance Verification	19264
Oscillograph Phase Sensitive Demodulator Adjustment	19364
Oscillograph Phase Sensitive Demodulators Performance Verification	19265
Oscillograph Phase Sensitive Demodulators Performance Verification	19268
Oscillograph Preventive Maintenance	19132
Oscillograph Signal Application to the Dual Beam Oscilloscope	18011
Oscillograph Signal Selector Panel Calibration	19045
Oscillograph Signal Selector Panel Performance Verification	19254
OSS Equipment Installation	20136
OSS/GSE Electrical Interconnections	20134
OSS Optical Targets Alignment	10181
OUA Eyepiece Assemblies Packing	03258
OUA Pre-Power Assurance Test	18270
Pen Installation	18033
Period Function	18020
Period Measurement	05403

TITLE	JDC NO.
PGNCS Components Removal and Replacement	17104
PGNCS Interconnect Harness Group Pre-Installation Acceptance Test	18269
Phase Angle Detector Calibration and Checkout	19044
Phase Angle Measurement	18040
Phase Angle Voltmeter Performance Verification	19262
Phase Angle Voltmeter Performance Verification	19266
Phase Generator Calibration, 800 and 3200 CPS	19230
Phase Sensitive Demodulator Normal Operation (800 CPS Reference)	18027
Phase Sensitive Demodulator Normal Operation (3200 CPS Reference)	18028
Phase Sensitive Demodulator Operation	18031
Phase Sensitive Error Detector Calibration and Checkout	19041
Phase Sensitive Null Indication	18042
Phase Shift Measurements	18006
Pin Contacts Straightening	18080
PIPA Alignment Test (Adjustment of the Inner Gimbal Resolver)	16165
PIPA Alignment Test (Test to Determine α_{XY})	16166
PIPA Alignment Test (Test to Determine α_{YX})	16170
PIPA Alignment Test (Test to Determine α_{BY} , α_{BY} , and α_{YZ})	16167



TITLE	JDC NO.
PIPA Alignment Test (Test to Determine α_{B_Z} , a_{B_Z} , α_{Z_X} , ϵ_{MGA} and ϵ_{IGA})	16163
PIPA Alignment Test (Test to Determine ϵ_{OGR})	16168
PIPA Alignment Test (Test to Determine ϵ_{IGR} , ϵ_{FY} , and ϵ_{FLY})	16164
PIPA Alignment Test (Test to Determine ϵ_{MGR} , a_{X_Z} , θ_{HOGA} , ϵ_{FLZ} , a_{FLZ} , α_{B_X} , and a_{B_X})	16161
PIPA Alignment Test (Zero Adjustment of the Middle Gimbal Resolver)	16162
PIPA Alignment Test (Zero Adjustment of the Outer Gimbal Resolver)	16169
PIPA Counters Tests (CMC, LGC)	05789
PIPA Electronics Assembly Installation to the PTA/PEA Mounting Fixture Assembly on the Rotary Table	14014
PIPA Loop Tests	16067
PIPA Null	16158
PIPA Scale Factor Performance	14206
PIPA Scale Factor Performance	16206
PIPA Degaussing Procedure	16159
Portable Temperature Controller Calibration	19819
Portable Temperature Controller (PTCI) Checkout	19820

JDC ALPHABETICAL INDEX

TITLE	JDC NO.
Portable Temperature Controller (PTC II) Calibration	19852
Power and Servo Assembly Packaging and Packing	19304
Power Check	20102
Power Supply and Load Panel Calibration	19048
Power Supply and Load Panel Checkout	19024
Power Supply and Load Panel Performance Verification	19253
Power Supply Tests	14039
Power Turn On Equipment	05807
Prefunctional Check	20101
Primary Signal Selector Panel Application of Auxiliary Signals	18103
Primary Signal Selector Panel Application of Internal Signals	18000
Primary Signal Selector Panel Calibration	19105
Primary Signal Selector Panel Performance Verification	19257
Program-ALLEREST Operating Procedure (FVP)	05783
Program-Channel Inst. Checks Operating Procedure (FVP)	05779
Program In-Out Checks Operating Procedure (FVP)	05781
Program-Instruction Checks Operating Procedure (FVP)	05771
Program-MEMCHECKS BANKS 0 and 1 Operating Procedure (FVP)	05775



TITLE	JDC NO.
Program-MEMCHECKS BANKS 2 thru 7 Operating Procedure (FVP)	05777
Program-Time and Warning Checks Operating Procedure (FVP)	05773
Programmed Signal Characteristics Test	05804
Programmed Signal Characteristics Test Tape	05816
Programmer and Monitor and Logic Drawer No. 2 Panels Preliminary Test Set-up	05413
PSA Installation	14018
PSA Moistureproofing	18075
PSA Pre-Power Assurance Test	18275
PSA Retest Procedures	12291
PSA Test Point Adapter Band Pass Amplifier Calibration	19102
PSA Test Point Adapter Test Point Signal Application to the Digital Voltmeter, Phase Angle Voltmeter, and Dual Beam Oscilloscope	18002
PSA 28 VDC Filter Test	18274
PTA/PEA Test Point Adapter Test Point Signal Application to the Digital Voltmeter, Phase Angle Voltmeter, and Dual Beam Oscilloscope	18202
PTC Checkout (LEM/Block II)	19851
Pulse Buffer Amplifier Checkout	19112
Pulse Buffer Amplifier in PSA Test Point Adapter Calibration	19103
Pulse Buffer Amplifier in PTA/PEA Test Point Adapter Calibration	19809

TITLE	JDC NO.
Pulse Count	05402
Pulse Generator Assembly Calibration	19027
Pulse Measurement	05405
Pulse Torque Electronics Tests	16160
Pulse Torquing Assembly Installation to the PTA/PEA Mounting Fixture Assembly on the Rotary Table	16014
Purging and Filling Fixture Vacuum Pump Periodic Operation	19855
Pushbutton Indicator Test (Remote Optics Controller)	19789
Quadrature Supply (800 and 3200 CPS) Calibration and Checkout	19088
Quick-Disconnect Couplings Cleaning	19765
Radar Signal Measurements	05801
Radar Signal Measurement Test Tape	05814
Ratio Function	18019
Repair of Corroded Magnesium	18085
Repair of Painted Surfaces	18084
Resolution Check	10707
Resolver Amplifier Test	19110
Resolver Circuit Tester Zero Position	19118
Retroreflecting Prism Certification	02855
Rope Interface Test	05811
Rope Interface Test Tape	05821
Rotary Table Leveling Calibration Test	16010
Rotary Table Lubrication	19726
Rotary Table Tilt and Rotary Axis Calibration	19728
SCA Module Removal and Replacement	17603
SCT Shaft Accuracy Test	20104

JDC ALPHABETICAL INDEX

TITLE	JDC NO.
SCT Trunnion Accuracy Test	20107
Sealing of Precision Resolver Alignment Assembly	16178
Self Check Test Program (CMC, LGC)	05794
Semiautomatic Mode Tests	12216
Shaft Accuracy Tester Base Assembly Installation	10732
Shaft Accuracy Tester Certification	02846
Shaft Accuracy Tester Component Assembly	02845
Shaft Accuracy Tester Maintenance	03260
Shaft Accuracy Tester Preparation for Use	03242
Shaft Accuracy Tester Rotary Table Installation	10733
Shaft Accuracy Tester Rotary Table Removal	10741
Shaft Servo Loop Test	20111
Shipping Container (Empty) Preparation for Shipment or Storage	03479
Signal Conditioner DAC, PIPA Temp, and 2.5V Bias Tests - Block II	18834
Signal Conditioner Gimbal Resolver Tests - Block II	18833
Signal Conditioner Optics and Attitude Error Tests - Block II	18837
Signal Conditioner PIPA and IRIG Tests - Block II	18835
Signal Conditioner Preparation for Checkout - Block II	18832
Signal Conditioner Torque Motor and 1X Sine Gimbal Tests - Block II	18838

TITLE	JDC NO.
Signal Conditioner 120 V PIPA Supply and IRIG Temp Tests - Block II	18839
Signal Conditioner 120 V PIPA Supply Tests - Block II	18836
Signal Generator Operation	18013
Signal Shaping and Inhibit Assembly Checkout	19107
Silver Cadmium Battery Cell Maintenance	19853
Silver Zinc Battery Cell Activation	19862
Silver Zinc Battery Cell Maintenance	19861
Spacecraft Components and Spares General Packaging and Packing	19286
Spacecraft Control and Displays Interface Test	12221
Stabilization Loop Tests	16075
Stabilization Loop Tests	16110
Stabilization Loop Tests (IMU Fail Test)	16079
Standby Control Test	12205
Subsystem Mode Tests (Post Vibration)	16108
System Operational Tests	12206
System Power Supply Tests	12208
SXT Shaft Accuracy Test	20103
SXT Shaft Zero Check	20112
SXT Trunnion Accuracy Test	20106
Tape Load Operating Procedure	05406
Tape Verify Operating Procedure	05407
Temperature Alarm Amplifier Calibration and Checkout	19080
Temperature Indicator Amplifiers Calibration and Checkout	19082
Temperature Indicator Calibration	19108
Temperature Indicator Performance Verification	19255

TITLE	JDC NO.
Temperature Monitor Control Panel Calibration	19076
Temperature Monitor Control Panel II/LEM Performance Verification	19258
Test Horizontal Position	02841
Test N ₁ Function	18021
Test N ₂ Function	18022
Test Vertical Position with Theodolite	02840
Theodolite Alignment	02850
Theodolite and Support Assembly Certification	02849
Theodolite and Support Assembly Preparation for Use	03247
Theodolite and Ultradex Procedures for Rotary Table Rotary Axis Calibration for OSS Testing	19729
Three Phase Voltage Comparator Calibration	19012
Tilt Test (G&N Installation Qualification Fixture)	02852
Time & Warning Checks Mylar Tape	05774
Time Measurements	18007
Total RMS Voltage Measurement	18038
Transfer Control Operating Procedure	05412
Trunnion Servo Loop Test	20110
Variable Deviation Wedge Preparation for Use	03248
Velocity Counters Tests (CMC, LGC)	05793
Verification Assembly Test	19011
Visual Inspection Adjustable Mirror and Pedestal Assembly	02848
Visual Inspection (Miscellaneous)	02815
Optical Subsystem Test Equipment)	

TITLE	JDC NO.
Voltage Amplifiers Calibration and Checkout	19101
Voltage and Phase Control Test (Remote Optics Controller)	19791
Voltage Check of Bus A-Bus B	05812
Voltage Margin Test (CMC, LGC)	05795
Voltage Measurement with the Current Source Monitor and Galvanometer	18016/ 18216
Voltage Measurements	18005
Wheel Power and -28VDC Sensor Calibration and Checkout	19043
X IRIG Performance Test (Test to Determine BD _X and ADIA _X)	16237
X IRIG Performance Test (Test to Determine BD _X and ADSRA _X)	16236
X IRIG Performance Test (Test to Determine $\Delta SF(G)^+_X$ and $\Delta SF(G)^-_X$)	16238
X PIPA Bias and Input Axis Performance	16200
X PIPA Calibration Module Adjustment	14155
X PIPA Scale Factor Performance	14201
X PIPA Peak Transient Test	14207
X PIPA Peak Transient Test	16207
XY and RDC Interface Panels Preliminary Test Setup	05414
Y IRIG Performance Test (Test to Determine BD _Y and ADIA _Y)	16240
Y IRIG Performance Test (Test to Determine BD _Y and ADSRA _Y)	16239
Y IRIG Performance Test (Test to Determine $\Delta SF(G)^+_Y$ and $\Delta SF(G)^-_Y$)	16241

JDC ALPHABETICAL INDEX

TITLE	JDC NO.
Y PIPA Bias and Input Axis Performance	16202
Y PIPA Calibration Module Adjustment	14156
Y PIPA Peak Transient Test	14208
Y PIPA Peak Transient Test	16208
Y PIPA Scale Factor Performance	14203
Zero Degree and 45 Degree Autocollimator Assemblies Maintenance	03261
Zero Optics Test	12212
Z IRIG Performance Test (Test to Determine ADIA _Z and BD _Z)	16243
Z IRIG Performance Test (Test to Determine BD _Z and ADSRA _Z)	16242
Z IRIG Performance Test (Test to Determine $\Delta SF(G)_{-Z}$ and $\Delta SF(G)_{+Z}$)	16244
Z PIPA Bias and Input Axis Performance	16204
Z PIPA Calibration Module Adjustment	14157
Z PIPA Peak Transient Test	14209
Z PIPA Peak Transient Test	16209
Z PIPA Scale Factor Performance	14205
102.4-KC Pulse Detectors Calibration	19018
115 Volt, 400 CPS Power Supply Calibration	19026
2/28.5 Volt, 3200 CPS Power Supply Calibration and Checkout	19049
± 28 Volt DC Pilot Power Supply Calibration	19014
3200 CPS Frequency Comparator Calibration	19009

TITLE	JDC NO.
3200 CPS Voltage Comparator Calibration	19010
5-Inch Autocollimator Calibration	19128

